

ESSENTIAL OIL EXTRACTION



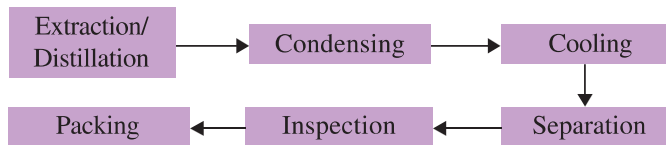
Production capacity/annum

450 M.T.

Production process

Leaves and terminal branches of selected species of Eucalyptus are fed to the extractors and packed tightly. Boiler pressure is maintained at 40 psi. The period of distillation varies from 3 hours to 18 hours according to the raw materials.

Process flow chart



Machinery & equipment required

- Extractors/Distillation Still.
- Condenser
- Cooler
- Separators
- Cooling Water Circulation Pump.
- Steam Generators/Boiler.
- Diesel Generating set.
- Trailer & support structure.

Raw material/consumables required per shift basis:

- Eucalyptus leaves : 2 Tons per day.
- Diesel oil for power generation: 50 lit per day.
- Fire wood : 500 kg per day.

Utilities required:

- Power required(load) : 15 KW
- Water required (per shift basis) : 13000 litres/day

Other utilities, if required:

Drier : 110 KW

Manpower required

- Supervisor : 1 No.
- Boiler operator cum fitter : 1 No.
- Diesel Generator cum Electrician : 1 No.
- Semi Skilled : 3 Nos.

Area required

Total Area : 250 Sq.Mtr.

Covered Area : 200 Sq.Mtr.

Investment required

Machinery & Equipment : } ₹ 42.66 Lakhs
Working Capital for 3 Months : }
(Raw material, utilities & salary)

